

4-33624A (5032-W001).ST25.txt  
SEQUENCE LISTING

<110> Genova Ltd.  
Argoud-Puy, Guilaine  
Bederr, Nassima  
Bougueleret, Lydie  
Cusin, Isabelle  
Mahe, Eve  
Niknejad, Anne  
Reffas, Samia

<120> SECRETED POLYPEPTIDE SPECIES ASSOCIATED WITH CARDIOVASCULAR DISORDERS

<130> 4-33624A/GEP (5032-W001)

<150> US 60/461,558

<151> 2003-04-08

<150> US 60/484,140

<151> 2003-06-30

<150> US 60/461,623

<151> 2003-04-08

<150> US 60/471,479

<151> 2003-05-16

<150> US 60/474,863

<151> 2003-05-30

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<170> PatentIn version 3.1

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20 25 30

Ala Leu Gly Leu Ala Arg Cys Thr Ser Met Ala Ser Glu Asn Ser Glu  
35 40 45

Cys Ser Val Lys Thr Leu Tyr Gly Ile Tyr Tyr Lys Cys Pro Cys Glu  
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Arg Gly Leu Thr Cys Glu Gly Asp Lys Thr Ile Val Gly Ser Ile Thr  
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&lt;400&gt; 2

Gly Ile Ile Ile Asn Leu Glu Asn Gly Glu Leu Cys Met Asn Ser Ala  
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Gln Cys Lys Ser Asn Cys Cys Gln His Ser Ser Ala Leu Gly Leu Ala  
 20 25 30

Arg Cys Thr Ser Met Ala Ser Glu Asn Ser Glu Cys Ser Val Lys Thr  
 35 40 45

Leu Tyr Gly Ile Tyr Tyr Lys Cys Pro Cys Glu Arg Gly Leu Thr Cys  
 50 55 60

Glu Gly Asp Lys Thr Ile Val Gly Ser Ile Thr Asn Thr Asn Phe Gly  
 65 70 75 80

Ile Cys His Asp Ala Gly Arg Ser Lys Gln  
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&lt;210&gt; 3

&lt;211&gt; 14

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&lt;213&gt; Homo sapiens

&lt;400&gt; 3

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&lt;210&gt; 4

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&lt;213&gt; Homo sapiens

&lt;400&gt; 4

Cys Thr Ser Met Ala Ser Glu Asn Ser Glu Cys Ser Val Lys  
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&lt;210&gt; 5

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 5

Thr Ile Val Gly Ser Ile Thr Asn Thr Asn Phe Gly Ile Cys His Asp  
 1 5 10 15

Ala Gly Arg

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&lt;211&gt; 161

&lt;212&gt; PRT

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&lt;213&gt; Homo sapiens

&lt;400&gt; 6

Met Val Pro Lys Leu Phe Thr Ser Gln Ile Cys Leu Leu Leu Leu Leu  
 1 5 10 15

Gly Leu Leu Ala Val Glu Gly Ser Leu His Val Lys Pro Pro Gln Phe  
 20 25 30

Thr Trp Ala Gln Trp Phe Glu Thr Gln His Ile Asn Met Thr Ser Gln  
 35 40 45

Gln Cys Thr Asn Ala Met Gln Val Ile Asn Asn Tyr Gln Arg Arg Cys  
 50 55 60

Lys Asn Gln Asn Thr Phe Leu Leu Thr Thr Phe Ala Asn Val Val Asn  
 65 70 75 80

Val Cys Gly Asn Pro Asn Met Thr Cys Pro Ser Asn Lys Thr Arg Lys  
 85 90 95

Asn Cys His His Ser Gly Ser Gln Val Pro Leu Ile His Cys Asn Leu  
 100 105 110

Thr Thr Pro Ser Pro Gln Asn Ile Ser Asn Cys Arg Tyr Ala Gln Thr  
 115 120 125

Pro Ala Asn Met Phe Tyr Ile Val Ala Cys Asp Asn Arg Asp Gln Arg  
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Arg Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg Ile  
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Ile

&lt;210&gt; 7

&lt;211&gt; 134

&lt;212&gt; PRT

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&lt;400&gt; 7

Lys Pro Pro Gln Phe Thr Trp Ala Gln Trp Phe Glu Thr Gln His Ile  
 1 5 10 15

Asn Met Thr Ser Gln Gln Cys Thr Asn Ala Met Gln Val Ile Asn Asn  
 20 25 30

Tyr Gln Arg Arg Cys Lys Asn Gln Asn Thr Phe Leu Leu Thr Thr Phe  
 35 40 45

Ala Asn Val Val Asn Val Cys Gly Asn Pro Asn Met Thr Cys Pro Ser

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55 60

Asn Lys Thr Arg Lys Asn Cys His His Ser Gly Ser Gln Val Pro Leu  
65 70 75 80

Ile His Cys Asn Leu Thr Thr Pro Ser Pro Gln Asn Ile Ser Asn Cys  
85 90 95

Arg Tyr Ala Gln Thr Pro Ala Asn Met Phe Tyr Ile Val Ala Cys Asp  
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Asn Arg Asp Gln Arg Arg Asp Pro Pro Gln Tyr Pro Val Val Pro Val  
115 120 125

His Leu Asp Arg Ile Ile  
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Arg

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Asp Pro Pro Gln Tyr Pro Val Val Pro Val His Leu Asp Arg  
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Met Arg Phe Leu Ala Ala Thr Phe Leu Leu Leu Ala Leu Ser Thr Ala

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Lys Ser Glu Tyr Pro Ser Ile Lys Leu Val Val Glu Trp Gln Leu Gln  
 100 105 110

Asp Asp Lys Asn Gln Ser Leu Phe Cys Trp Glu Ile Pro Val Gln Ile  
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Val Ser His Leu  
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Ala Val Val His Gly Ile Leu Met Gly Val Pro Val Pro Phe Pro Ile  
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Pro Glu Pro Asp Gly Cys Lys  
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Ser Gly Ile Asn Cys Pro Ile Gln Lys  
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Met Arg Thr Leu Ala Ile Leu Ala Ala Ile Leu Leu Val Ala Leu Gln  
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 20 25 30

Pro Glu Gln Ile Ala Ala Asp Ile Pro Glu Val Val Val Ser Leu Ala  
 35 40 45

Trp Asp Glu Ser Leu Ala Pro Lys His Pro Gly Ser Arg Lys Asn Met  
 50 55 60

Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr  
 65 70 75 80

Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys  
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Ile Ala Ala Asp Ile Pro Glu Val Val Val Ser Leu Ala Trp Asp Glu  
 20 25 30

Ser Leu Ala Pro Lys His Pro Gly Ser Arg Lys Asn Met Ala Cys Tyr  
 35 40 45

Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr Gly Thr Cys  
 50 55 60

Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys  
 65 70 75

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Ala Cys Tyr Cys Arg Ile Pro Ala Cys Ile Ala Gly Glu Arg Arg Tyr  
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Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys  
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Glu Val Val Val Ser Leu Ala Trp Asp Glu Ser Leu Ala Pro Lys  
 20 25 30

<210> 19  
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Ile Pro Ala Cys Ile Ala Gly Glu Arg

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Arg Tyr Gly Thr Cys Ile Tyr Gln Gly Arg  
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Tyr Gly Thr Cys Ile Tyr Gln Gly Arg  
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<210> 22  
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&lt;400&gt; 22

Tyr Gly Thr Cys Ile Tyr Gln Gly Arg Leu Trp Ala Phe Cys Cys  
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&lt;400&gt; 23

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&lt;400&gt; 24

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Gly Gln Gly Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Pro Ser  
 20 25 30

Leu Phe Ser Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Arg Glu Glu  
 35 40 45

Cys Ala Ala Lys Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg Ala Phe  
 50 55 60

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Gln Tyr His Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg  
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Lys Ser Ser Ile Ile Ile Arg Met Arg Asp Ala Val Leu Phe Glu Lys  
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Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Arg Glu Glu Cys Ala Ala  
 20 25 30

Lys Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg Ala Phe Gln Tyr His  
 35 40 45

Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg Lys Ser Ser  
 50 55 60

Ile Ile Ile Arg Met Arg Asp Ala Val Leu Phe Glu Lys  
 65 70 75

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Val Thr Lys

<210> 27  
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Cys Glu Glu Asp Lys Glu Phe Thr Cys Arg  
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<210> 28  
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&lt;400&gt; 28

Ala Phe Gln Tyr His Ser Lys  
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&lt;210&gt; 29

&lt;211&gt; 12

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&lt;213&gt; Homo sapiens

&lt;400&gt; 29

Cys Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg  
1 5 10

&lt;210&gt; 30

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 30

Tyr Lys Lys Pro Glu Cys Gln Ser Asp Trp Gln Cys Pro Gly Lys  
1 5 10 15

&lt;210&gt; 31

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 31

Glu Ser Leu Ser Gly Val Cys Glu Ile Ser Gly Arg  
1 5 10

&lt;210&gt; 32

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 32

Gln Ser Gly Glu Asp Asn Gln Asp Leu Ala Ile Ser Phe Ala Gly Asn  
1 5 10 15Gly Leu Ser Ala Leu Arg  
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&lt;210&gt; 33

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 33

Asp Ala Leu Ser Ala Ser Val Val Lys  
1 5

&lt;210&gt; 34

&lt;211&gt; 13

&lt;212&gt; PRT

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&lt;213&gt; Homo sapiens

&lt;400&gt; 34

Asp Ser Gly Glu Asp Pro Ala Thr Cys Ala Phe Gln Arg  
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&lt;210&gt; 35

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 35

Asp Tyr Tyr Val Ser Thr Ala Val Cys Arg  
1 5 10

&lt;210&gt; 36

&lt;211&gt; 12

&lt;212&gt; PRT

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&lt;400&gt; 36

Phe Pro Val Tyr Asp Tyr Asp Pro Ser Ser Leu Arg  
1 5 10

&lt;210&gt; 37

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 37

Val Asn Ser Gln Ser Leu Ser Pro Tyr Leu Phe Arg  
1 5 10

&lt;210&gt; 38

&lt;211&gt; 12

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&lt;400&gt; 38

Val Ser Ala Gln Gln Val Gln Gly Val His Ala Arg  
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&lt;210&gt; 39

&lt;211&gt; 12

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&lt;400&gt; 39

Gly Val Ser Leu Arg Pro Ile Gly Ala Ser Cys Arg  
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&lt;210&gt; 40

&lt;211&gt; 20

&lt;212&gt; PRT

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&lt;400&gt; 40

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Cys Ile Thr Arg  
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&lt;400&gt; 41

Ala Gly Leu Gln Val Tyr Asn Lys  
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<210> 42  
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&lt;400&gt; 42

Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys  
1 5 10

<210> 43  
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&lt;400&gt; 43

Phe Glu His Cys Asn Phe Asn Asp Val Thr Thr Arg  
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&lt;400&gt; 44

Leu Gln Cys Tyr Asn Cys Pro Asn Pro Thr Ala Asp Cys Lys  
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<210> 45  
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Leu Arg Glu Asn Glu Leu Thr Tyr Tyr Cys Cys Lys  
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<210> 46  
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&lt;213&gt; Homo sapiens

&lt;400&gt; 46

Thr Ala Val Asn Cys Ser Ser Asp Phe Asp Ala Cys Leu Ile Thr Lys  
1 5 10 15

&lt;210&gt; 47

&lt;211&gt; 19

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Cys Leu Thr Thr Asp Glu Tyr Asp Gly His Ser Thr Tyr Pro Ser His  
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Gln Tyr Gln

&lt;210&gt; 48

&lt;211&gt; 9

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&lt;213&gt; Homo sapiens

&lt;400&gt; 48

His Asp Leu Gly His Phe Met Leu Arg  
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&lt;210&gt; 49

&lt;211&gt; 10

&lt;212&gt; PRT

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&lt;400&gt; 49

Leu Gln Ala Val Thr Asp Asp His Ile Arg  
1 5 10

&lt;210&gt; 50

&lt;211&gt; 14

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&lt;213&gt; Homo sapiens

&lt;400&gt; 50

Asn Asp Leu Ser Pro Thr Thr Val Met Ser Glu Gly Ala Arg  
1 5 10

&lt;210&gt; 51

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 51

Thr Val Ala Gly Gln Asp Ala Val Ile Val Leu Leu Gly Thr Arg  
1 5 10 15

&lt;210&gt; 52

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Tyr Val Ala Val Met Pro Pro His Ile Gly Asp Gln Pro Leu Thr Gly  
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Ala Tyr Thr Val Thr Leu Asp Gly Arg  
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Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg Pro Asn Gly Leu  
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Leu Tyr Ser Val His Arg Pro Val Lys  
 1 5

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Gln Cys Ile His Gln Leu Cys Phe Thr Ser Leu Arg  
 1 5 10

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Ser Asn Tyr Phe Arg Leu Pro Pro Cys Glu Asn Val Asp Leu Gln Arg  
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Pro Asn Gly Leu  
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4-33624A (5032-W001).ST25.txt

Ala Gly Pro Ala Gln Thr Leu Ile Arg Pro Gln Asp Met Lys  
1 5 10

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Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys  
1 5 10

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Met Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro  
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Glu Asp Pro Thr Val Ser Ala Leu Leu Thr Ser Glu Lys  
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Val Pro Ser Leu Val Gly Ser Phe Ile Arg  
1 5 10

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Cys Leu His Pro Cys Val Ile Ser Arg  
1 5

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&lt;400&gt; 63

Glu Ala Thr Phe Cys Asp Phe Pro Lys  
1 5

&lt;210&gt; 64

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 64

Glu Ile Met Glu Asn Tyr Asn Ile Ala Leu Arg  
1 5 10

&lt;210&gt; 65

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 65

Gly Trp Ser Thr Pro Pro Lys  
1 5

&lt;210&gt; 66

&lt;211&gt; 11

&lt;212&gt; PRT

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&lt;400&gt; 66

Ile Asn His Gly Ile Leu Tyr Asp Glu Glu Lys  
1 5 10

&lt;210&gt; 67

&lt;211&gt; 13

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&lt;400&gt; 67

Ile Thr Cys Thr Glu Glu Gly Trp Ser Pro Thr Pro Lys  
1 5 10

&lt;210&gt; 68

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 68

Leu Glu Tyr Pro Thr Cys Ala Lys  
1 5

&lt;210&gt; 69

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 69

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Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys Val Glu Arg  
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Asn Gly Gln Trp Ser Glu Pro Pro Lys  
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 1 5 10 15

Ser Arg

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Ser Phe Trp Thr Arg  
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<210> 73  
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<400> 73

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 1 5 10 15

Pro Lys

<210> 74  
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<400> 74

Ser Thr Asp Thr Ser Cys Val Asn Pro Pro Thr Val Gln Asn Ala His  
 1 5 10 15

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Ile Leu Ser Arg  
20

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&lt;400&gt; 75

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys  
1 5 10

<210> 76  
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&lt;400&gt; 76

Thr Gly Glu Ser Ala Glu Phe Val Cys Lys Arg  
1 5 10

<210> 77  
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&lt;400&gt; 77

Thr Thr Cys Trp Asp Gly Lys Leu Glu Tyr Pro Thr Cys Ala Lys  
1 5 10 15

<210> 78  
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Tyr Lys Pro Phe Ser Gln Val Pro Thr Gly Glu Val Phe Tyr Tyr Ser  
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Ala Phe Thr Glu Cys Cys Val Val Ala Ser Gln Leu Arg  
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&lt;400&gt; 80

Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr Cys Glu Gln  
 1 5 10 15

Arg

&lt;210&gt; 81

&lt;211&gt; 17

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&lt;213&gt; Homo sapiens

&lt;400&gt; 81

Asp Val Val Gln Ile Thr Cys Leu Asp Gly Phe Glu Val Val Glu Gly  
 1 5 10 15

Arg

&lt;210&gt; 82

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 82

Glu Asp Thr Pro Asn Ser Val Trp Glu Pro Ala Lys  
 1 5 10

&lt;210&gt; 83

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 83

Gly Asp Ser Gly Gly Ala Phe Ala Val Gln Asp Pro Asn Asp Lys  
 1 5 10 15

&lt;210&gt; 84

&lt;211&gt; 19

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&lt;213&gt; Homo sapiens

&lt;400&gt; 84

Gln Phe Gly Pro Tyr Cys Gly His Gly Phe Pro Gly Pro Leu Asn Ile  
 1 5 10 15

Glu Thr Lys

&lt;210&gt; 85

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 85

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Ser Asn Ala Leu Asp Ile Ile Phe Gln Thr Asp Leu Thr Gly Gln Lys  
 1 5 10 15

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Ser Ser Asn Asn Pro His Ser Pro Ile Val Glu Glu Phe Gln Val Pro  
 1 5 10 15

Tyr Asn Lys

<210> 87  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 87

Thr Asn Phe Asp Asn Asp Ile Ala Leu Val Arg  
 1 5 10

<210> 88  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 88

Val Glu Asp Pro Glu Ser Thr Leu Phe Gly Ser Val Ile Arg  
 1 5 10

<210> 89  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 89

Leu Ala Glu Leu Pro Ala Asp Ala Leu Gly Pro Leu Gln Arg  
 1 5 10

<210> 90  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 90

Leu Ala Tyr Leu Gln Pro Ala Leu Phe Ser Gly Leu Ala Glu Leu Arg  
 1 5 10 15

<210> 91  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

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&lt;400&gt; 91

Leu Glu Ala Leu Pro Asn Ser Leu Leu Ala Pro Leu Gly Arg  
 1 5 10

&lt;210&gt; 92

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 92

Ser Phe Glu Gly Leu Gly Gln Leu Glu Val Leu Thr Leu Asp His Asn  
 1 5 10 15

Gln Leu Gln Glu Val Lys  
 20

&lt;210&gt; 93

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 93

Val Ala Gly Leu Leu Glu Asp Thr Phe Pro Gly Leu Leu Gly Leu Arg  
 1 5 10 15

&lt;210&gt; 94

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 94

Cys Phe Leu Gly Cys Glu Leu Pro Pro Glu Gly Ser Arg  
 1 5 10

&lt;210&gt; 95

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 95

Glu Phe Leu Glu Asp Thr Cys Val Gln Tyr Val Gln Lys  
 1 5 10

&lt;210&gt; 96

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 96

Thr Gln Ser Gly Leu Gln Ser Tyr Leu Leu Gln Phe His Gly Leu Val  
 1 5 10 15

Arg

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<210> 97  
<211> 11  
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<400> 97

Ala Leu Asn Ser Ile Ile Asp Val Tyr His Lys  
1 5 10

<210> 98  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 98

Gly Ala Asp Val Trp Phe Lys  
1 5

<210> 99  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 99

Gly Asn Phe His Ala Val Tyr Arg  
1 5

<210> 100  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 100

Leu Leu Glu Thr Glu Cys Pro Gln Tyr Ile Arg  
1 5 10

<210> 101  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 101

Met Leu Thr Glu Leu Glu Lys  
1 5

<210> 102  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 102

Ala Ile Asp Gly Ile Asn Gln Arg  
1 5

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<210> 103  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 103

Cys Met Gly Thr Val Thr Leu Asn Gln Ala Arg  
1 5 10

<210> 104  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 104

Phe Ala Leu Leu Gly Asp Phe Phe Arg  
1 5

<210> 105  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 105

Phe Ala Leu Leu Gly Asp Phe Phe Arg Lys  
1 5 10

<210> 106  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 106

Gly Ser Phe Asp Ile Ser Cys Asp Lys  
1 5

<210> 107  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 107

Gly Ser Phe Asp Ile Ser Cys Asp Lys Asp Asn Lys  
1 5 10

<210> 108  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 108

Ile Lys Asp Phe Leu Arg  
1 5

<210> 109  
<211> 11

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<212> PRT  
<213> Homo sapiens

<400> 109

Gln Val Leu Ser Tyr Lys Glu Ala Val Leu Arg  
1 5 10

<210> 110  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 110

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys  
1 5 10

<210> 111  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 111

Thr Thr Gln Gln Ser Pro Glu Asp Cys Asp Phe Lys Lys  
1 5 10

<210> 112  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 112

Cys Asp Tyr Trp Ile Arg  
1 5

<210> 113  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 113

Glu Leu Thr Ser Glu Leu Lys  
1 5

<210> 114  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 114

Met Tyr Ala Thr Ile Tyr Glu Leu Lys  
1 5

<210> 115  
<211> 21  
<212> PRT  
<213> Homo sapiens

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&lt;400&gt; 115

Ser Leu Gly Leu Pro Glu Asn His Ile Val Phe Pro Val Pro Ile Asp  
 1 5 10 15

Gln Cys Ile Asp Gly  
 20

&lt;210&gt; 116

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 116

Ser Tyr Pro Gly Leu Thr Ser Tyr Leu Val Arg  
 1 5 10

&lt;210&gt; 117

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 117

Thr Phe Val Pro Gly Cys Gln Pro Gly Glu Phe Thr Leu Gly Asn Ile  
 1 5 10 15

Lys

&lt;210&gt; 118

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

Val Pro Leu Gln Gln Asn Phe Gln Asp Asn Gln Phe Gln Gly Lys  
 1 5 10 15

&lt;210&gt; 119

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

Val Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe Phe Lys  
 1 5 10 15

&lt;210&gt; 120

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

Trp Tyr Val Val Gly Leu Ala Gly Asn Ala Ile Leu Arg  
 1 5 10

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<210> 121  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 121

Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg  
 1 5 10

<210> 122  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 122

Asp Asp Gln Leu Val Val Leu Phe Pro Val Gln Lys Pro Lys  
 1 5 10

<210> 123  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 123

Gly Pro Ile Leu Pro Gly Thr Lys  
 1 5

<210> 124  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 124

His Trp Pro Ser Glu Gln Asp Pro Glu Lys  
 1 5 10

<210> 125  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 125

His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg  
 1 5 10 15

<210> 126  
 <211> 9  
 <212> PRT  
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<400> 126

Leu Leu Thr Thr Glu Glu Lys Pro Arg  
 1 5

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<210> 127  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 127

Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln Gly Arg  
 1 5 10

<210> 128  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 128

Leu Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp  
 1 5 10 15

Gln Asp His Ile Tyr His Pro Gln  
 20

<210> 129  
 <211> 26  
 <212> PRT  
 <213> Homo sapiens

<400> 129

Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro  
 1 5 10 15

Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg  
 20 25

<210> 130  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 130

Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro  
 1 5 10 15

Val Gln Lys Pro Lys  
 20

<210> 131  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 131

Glu Val Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys  
 1 5 10

<210> 132

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<211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 132

Gly Leu Met Tyr Ser Val Asn Pro Asn Lys  
 1 5 10

<210> 133  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 133

Asn Ala Asn Thr Phe Ile Ser Pro Gln Gln Arg  
 1 5 10

<210> 134  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 134

Tyr Glu Ser His Glu Ser Met Glu Ser Tyr Glu Leu Asn Pro Phe Ile  
 1 5 10 15

Asn Arg Arg

<210> 135  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 135

Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg  
 1 5 10

<210> 136  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 136

Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly Ser Ser Ser Arg  
 1 5 10 15

<210> 137  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 137

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe  
 1 5 10 15

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Val Cys Gly Asp Arg  
20

<210> 138  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 138

Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys  
1 5 10

<210> 139  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 139

Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys Phe Arg  
1 5 10

<210> 140  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 140

Arg Leu Glu Met Tyr Cys Ala Pro Leu Lys Pro Ala Lys  
1 5 10

<210> 141  
<211> 22  
<212> PRT  
<213> Homo sapiens

<400> 141

Ala Gln Glu Pro Val Lys Gly Pro Val Ser Thr Lys Pro Gly Ser Cys  
1 5 10 15

Pro Ile Ile Leu Ile Arg  
20

<210> 142  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 142

Cys Ala Met Leu Asn Pro Pro Asn Arg  
1 5

<210> 143  
<211> 11  
<212> PRT  
<213> Homo sapiens

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&lt;400&gt; 143

Cys Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys  
1 5 10

&lt;210&gt; 144

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 144

Gly Pro Val Ser Thr Lys Pro Gly Ser Cys Pro Ile Ile Leu Ile Arg  
1 5 10 15

&lt;210&gt; 145

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 145

Val Pro Phe Asn Gly Gln Asp Pro Val Lys  
1 5 10

&lt;210&gt; 146

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 146

Val Pro Phe Asn Gly Gln Asp Pro Val Lys Gly Gln Val Ser Val Lys  
1 5 10 15